



Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

12.3.55

June 13, 1986

Mr. Gerd Hatwig  
U. S. Environmental Protection Agency  
Mail Stop 614  
1200 - 6th Avenue  
Seattle, Washington 98101

RECEIVED  
JUL 13 1986

DEPARTMENT OF ECOLOGY  
NORTHWEST REGION

Dear Mr. Hatwig:

In March of this year sediment samples were collected by Metro personnel from storm drains located near Marine Power and Equipment's facility located at Slip 3, on the Duwamish River. Analysis of the data from these samples indicated that the major source of contamination to the storm drains and river sediments in this area may be Marine Power and Equipment. This assumption is based on the similarities found when comparing what metals were highly elevated on Marine Power and Equipment property and the surrounding area. The attached table lists the station and metal concentrations found. See attached map for station location. Organics data for these stations is not available. Since Marine Power and Equipment is currently under Federal indictment, it was felt that this data might be useful to you in your proceedings.

Metro would also like to take this opportunity to suggest that any company found in violation of anti-pollution laws be required to perform remedial clean up actions. Once the source(s) of contamination are eliminated, clean up of contaminated sediments is imperative, regardless of where the contaminated sediments are found (i.e., storm drains, river bottom). While the City of Seattle has a limited budget for cleaning storm drains, this budget is not adequate to cover both the "special" cleaning operations and the normally scheduled cleaning projects. For example, in 1985 the city performed two storm drain cleanups, of systems contaminated by industries, that utilized their entire 1985 budget for cleaning operations. The city has yet to receive reimbursement for work performed. Therefore, Metro recommends that remedial clean up actions be included in any settlement of anti-pollution law violations in order to ensure that all contaminated sediments (storm drains and river bottom) are removed and disposed of in a timely and legal manner. This would ensure that the polluter, and not the public, bears the burden of clean up costs.

USEPA SF

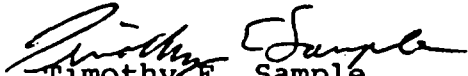


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If I, or any other section of Metro, may be of further assistance to you in this investigation, please feel free to contact me at 447-4816.

Sincerely,

  
Timothy E. Sample  
Water Quality Planner  
Water Resources Section

TES:jl

Attachments

cc: Robert G. Swartz

Table	Manhole immediately before MPE - properly						outfall
Parameter (mg/kg)	#1	#1	#1	#2	#3	#4	
As	4/84	2/85	3/86				
	3,766.2	1,200	1,153.8	183.3	111.8	211.5	
Cd	4.4	6.7	5.38	7.5	6.2	.5	
Cr	92.2	113.3	101.9	266.7	120.6	40.4	
Cu	1246.8	900	711.5	466.7	382.4	288.5	
Hg	.11	1.0	.65	.45	.56	.14	
Ni	48.1	53.3	36.5	41.7	50	32.7	
Pb	1428.6	900	730.8	683.3	617.6	148.1	
Zn	5,584.4	2,266.7	2,307.7	1,300	852.9	1,000	
Parameter	Perimeter of MPE						
As	#5	#6	#7	#8	#11	#12	
	20.8	26.1	326.5	212.8	1814.8	1,152	
Cd	<.3	<.3	.69	.43	13.1	17.9	
Cr	28.3	30.4	38.8	48.9	203.7	239.4	
Cu	60.4	195.7	140.9	297.9	4,814.8	6,061	
Hg	.5	.15	.71	.28	.63	.68	
Ni	32.1	32.6	26.5	36.2	64.8	60.6	
Pb	50.9	52.2	118.4	148.9	1,093	1,485	
Zn	158.5	239.1	224.5	595.7	8,333	13,939	
Parameter	#13	#14	#15	#16	#17	#18	
As	2,043.5	2,597.4	2,564.1	1,045.5	2,373	3,871	
Cd	11.5	14.3	9.5	13.2	18.6	17.7	
Cr	184.8	207.8	166.7	140.9	237.3	225.8	
Cu	4,565.2	4,155.8	3,333.3	2,272.7	7,627	7,258	
Hg	.26	.25	.31	.75	.13	.09	
Ni	82.6	105.2	58.9	70.5	67.8	37.1	
Pb	1,891.3	1,129.9	1,538.5	954.5	1,525	1,774	
Zn	6,956.5	10,779	6,153.8	5,454.5	13,559	15,323	

Parameter	#19
As	2,181.8
Cd	13.2
Cr	236.4
Cu	5,272.7
Hg	.32
Ni	69.1
Pb	1,381.8
Zn	9,818.2

